

FIG. 1

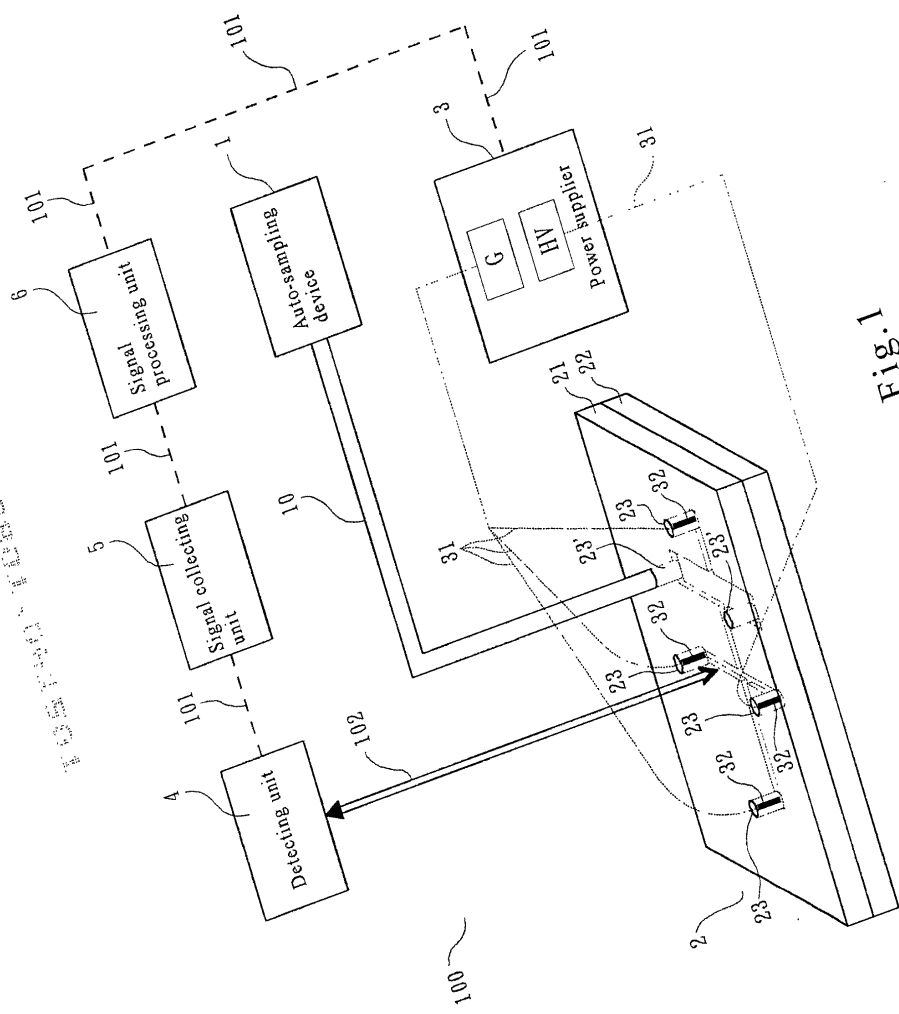


Fig. 1

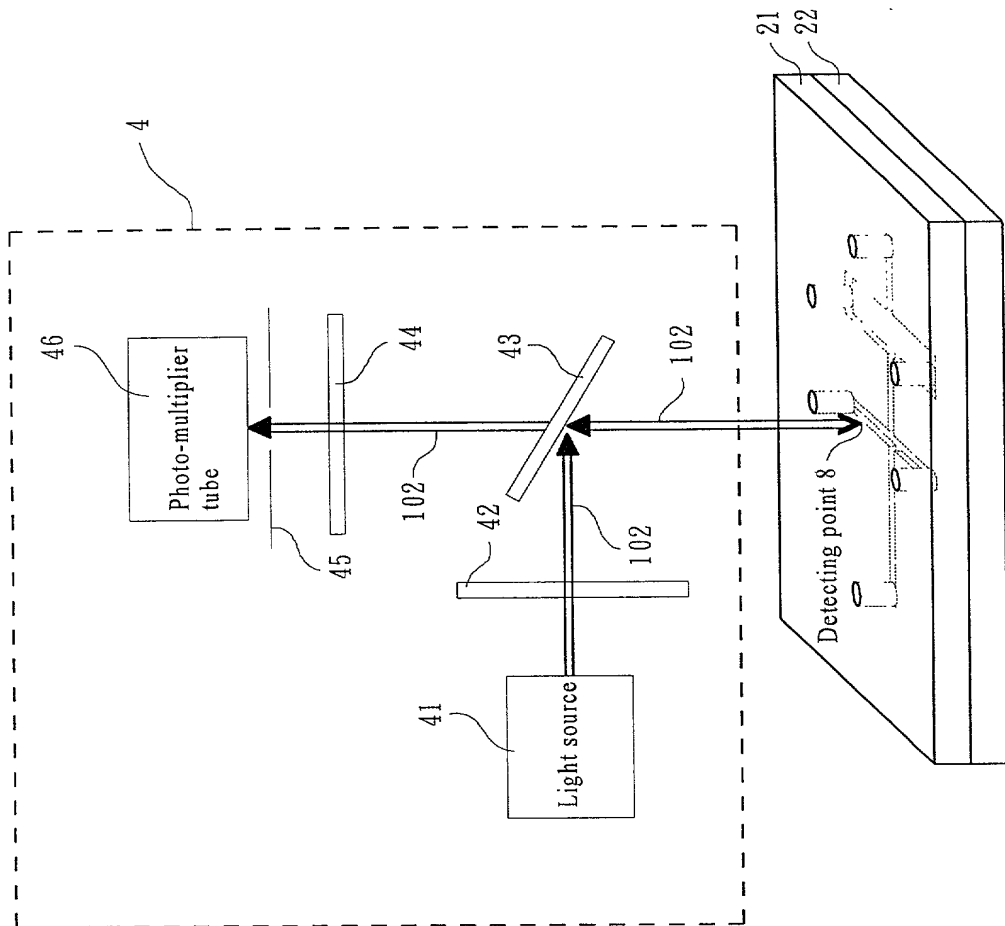


Fig.2

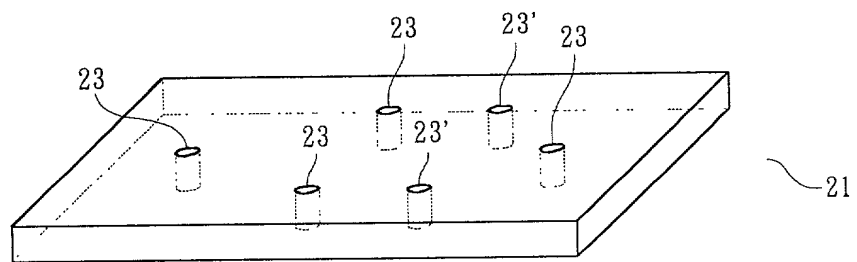


Fig.3A

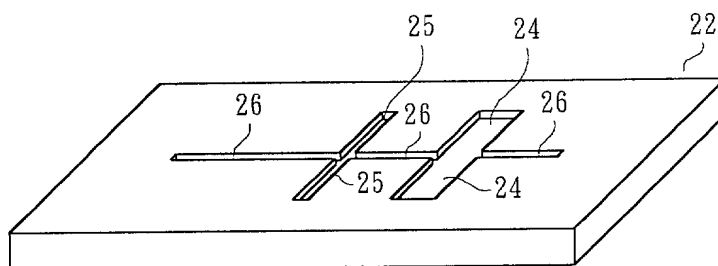


Fig.3B

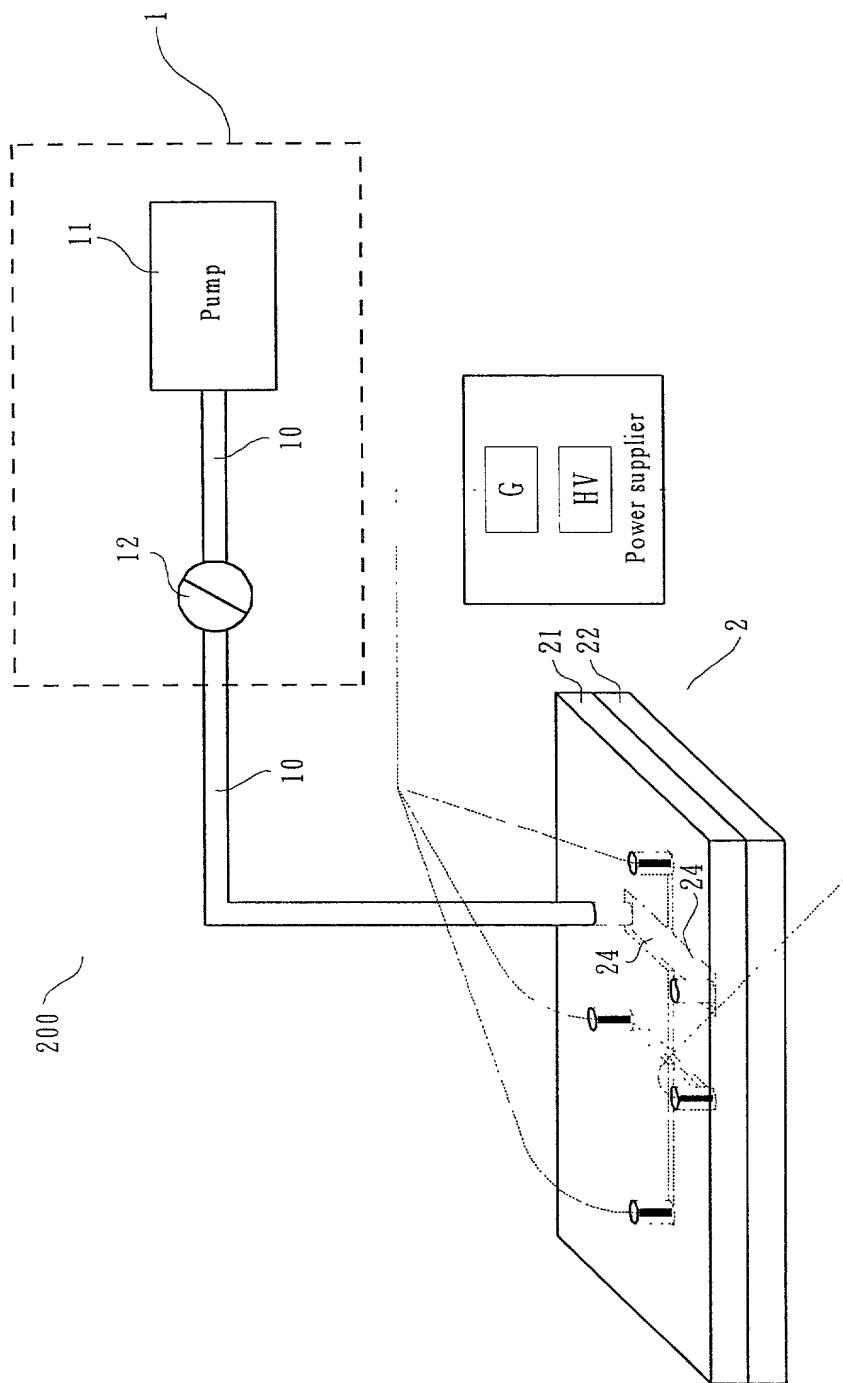


Fig.4

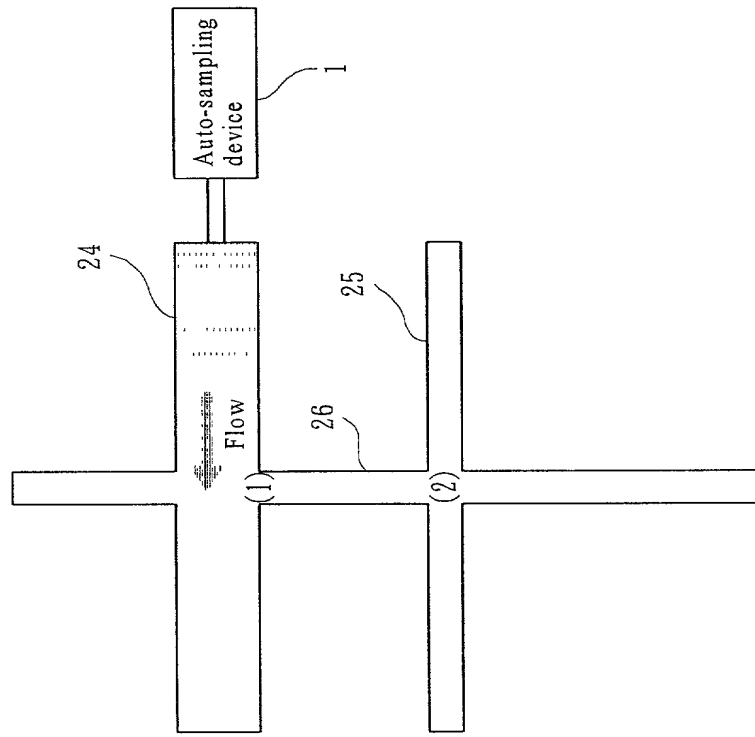


Fig. 5A

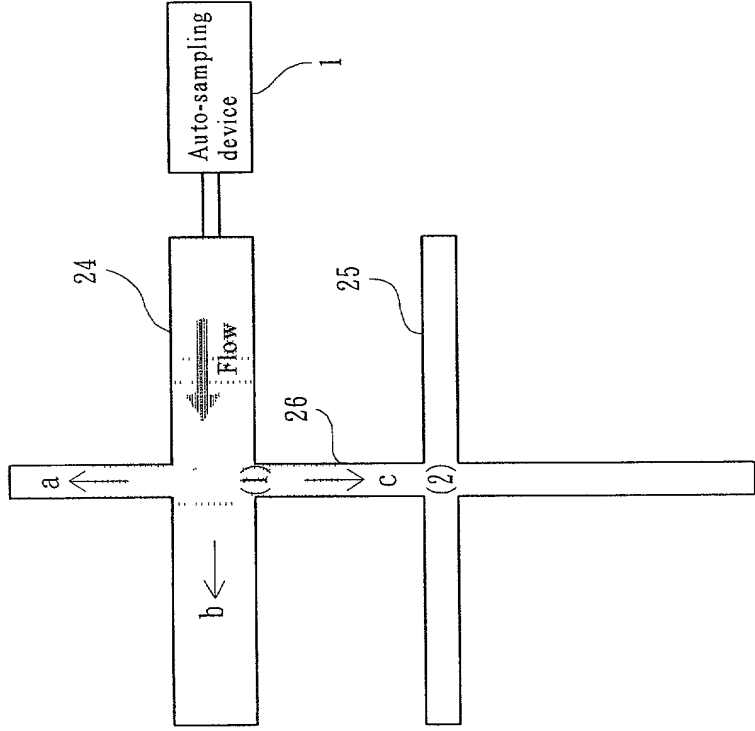


Fig. 5B

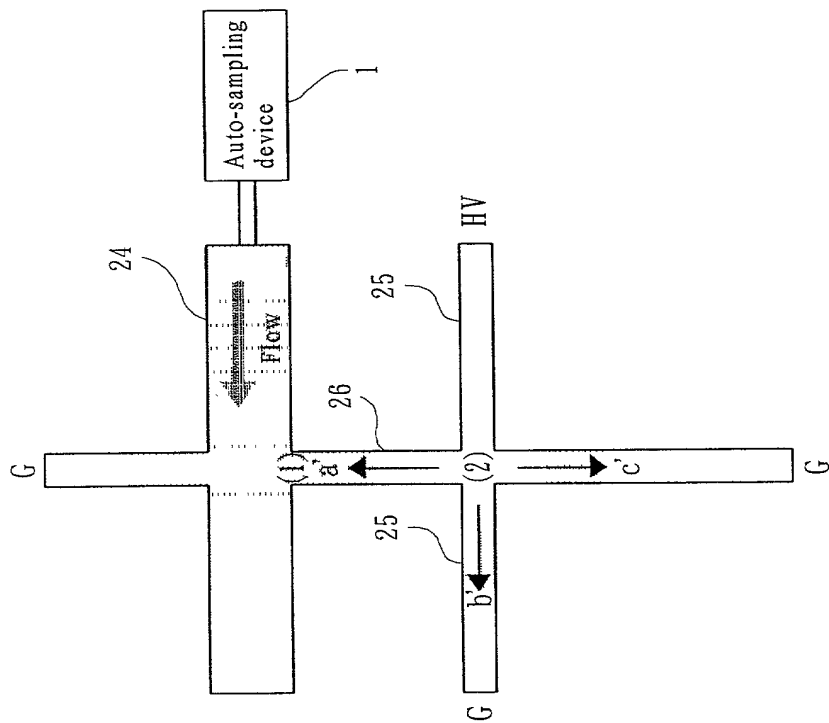


Fig.6A

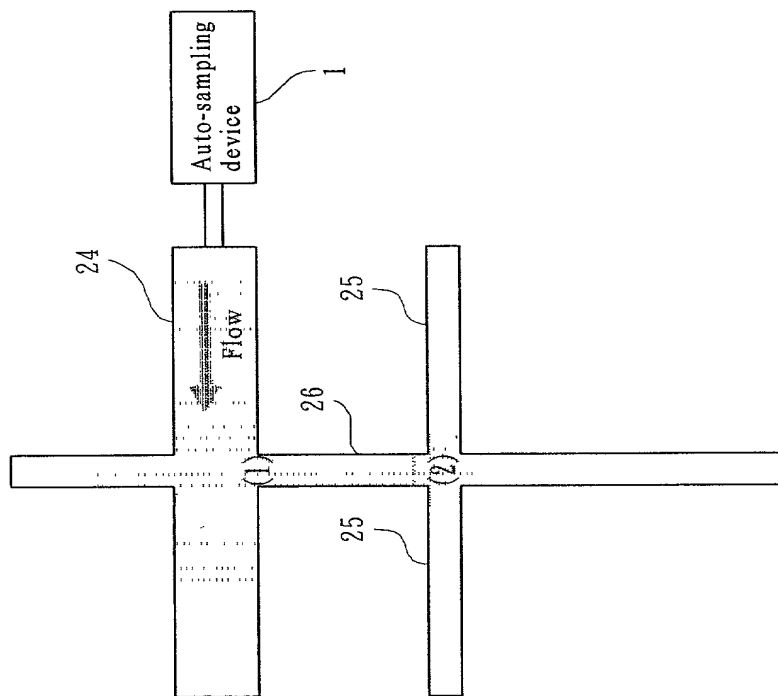


Fig.5C

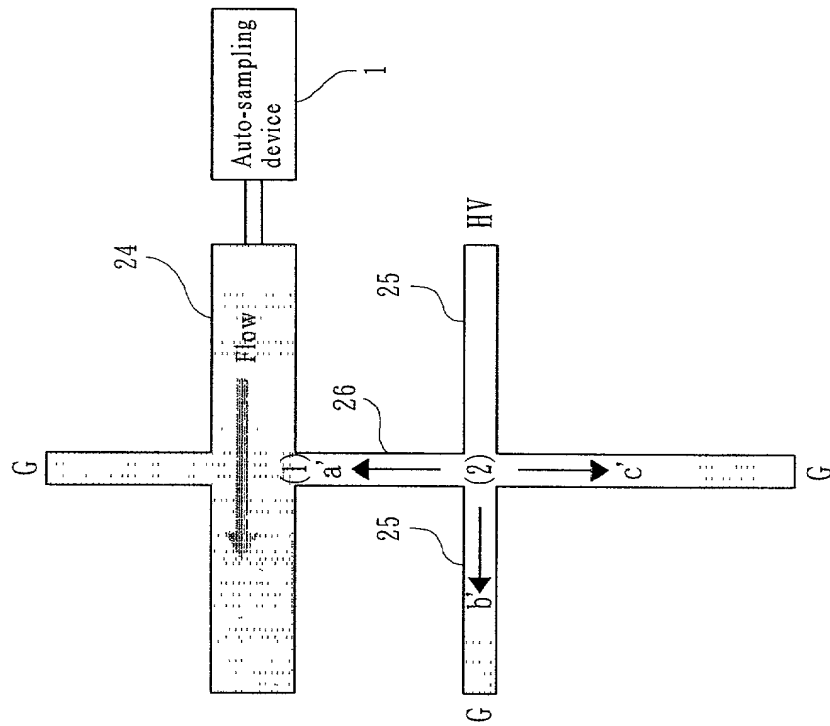


Fig. 6B

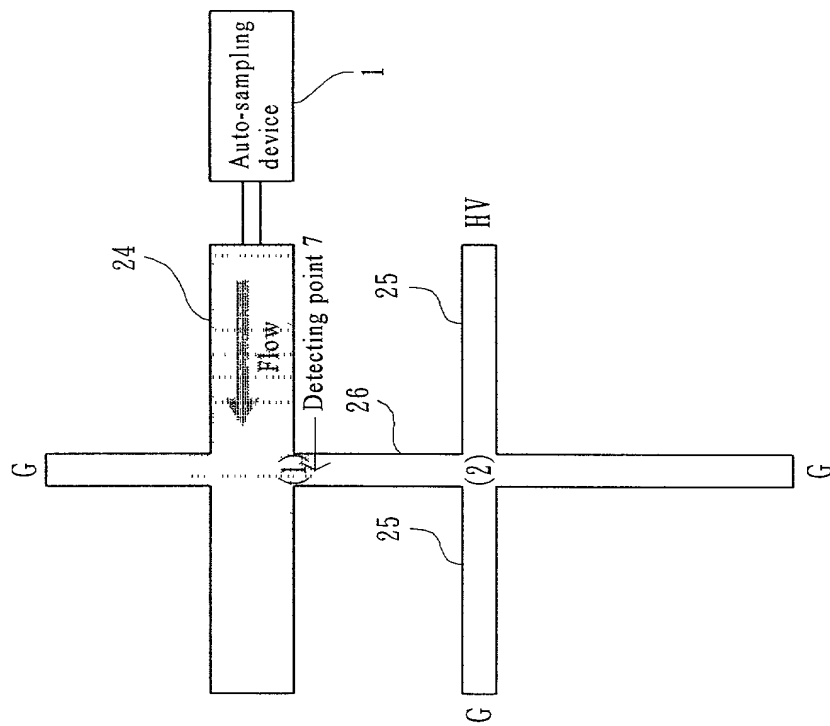


Fig. 7

Flow rate ( $\mu\text{L}/\text{min}$ )	Critical Pinching Voltage (KV)
10	1.95
7	1.75
5	1.15
4	0.87
3	0.76
2	0.50
1	0.35

Fig. 8



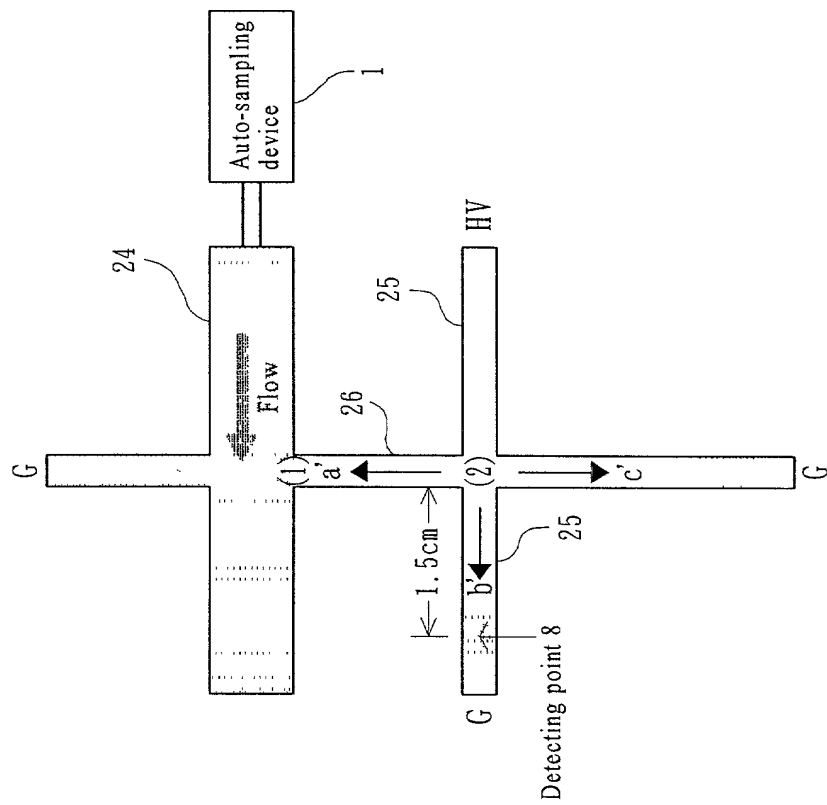


Fig.9

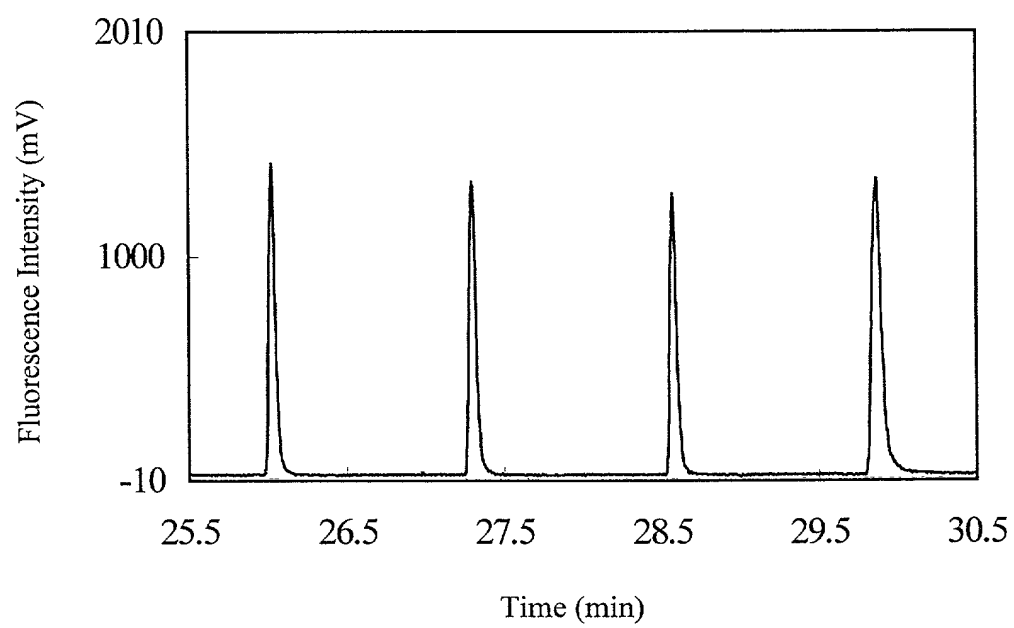


Fig. 10

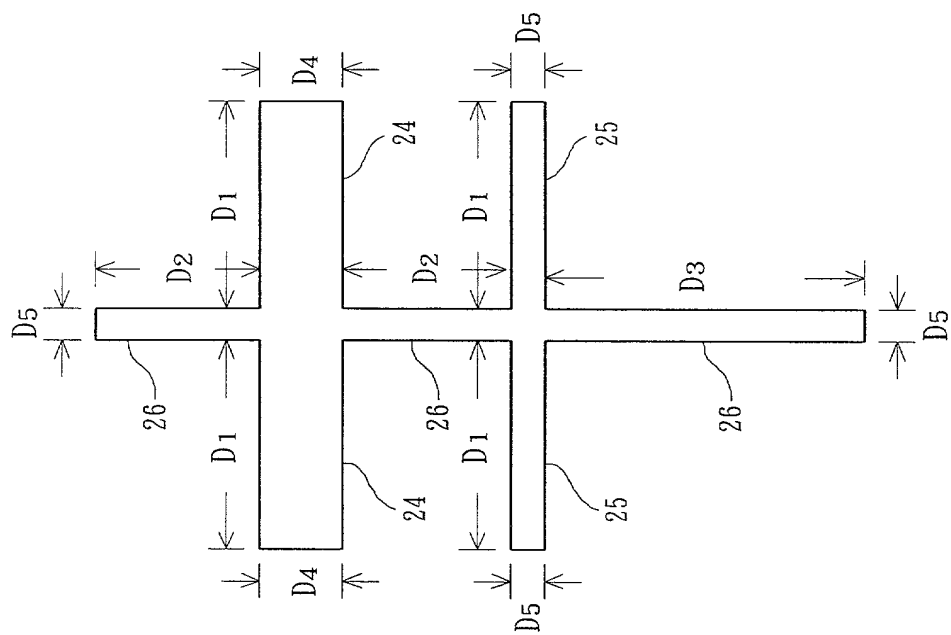


Fig.11

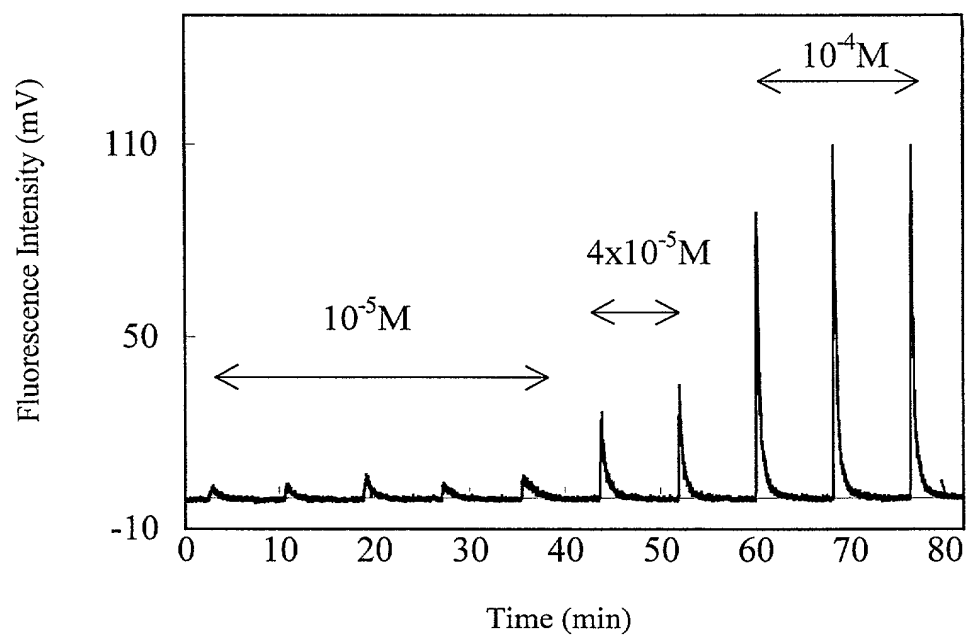


Fig. 12

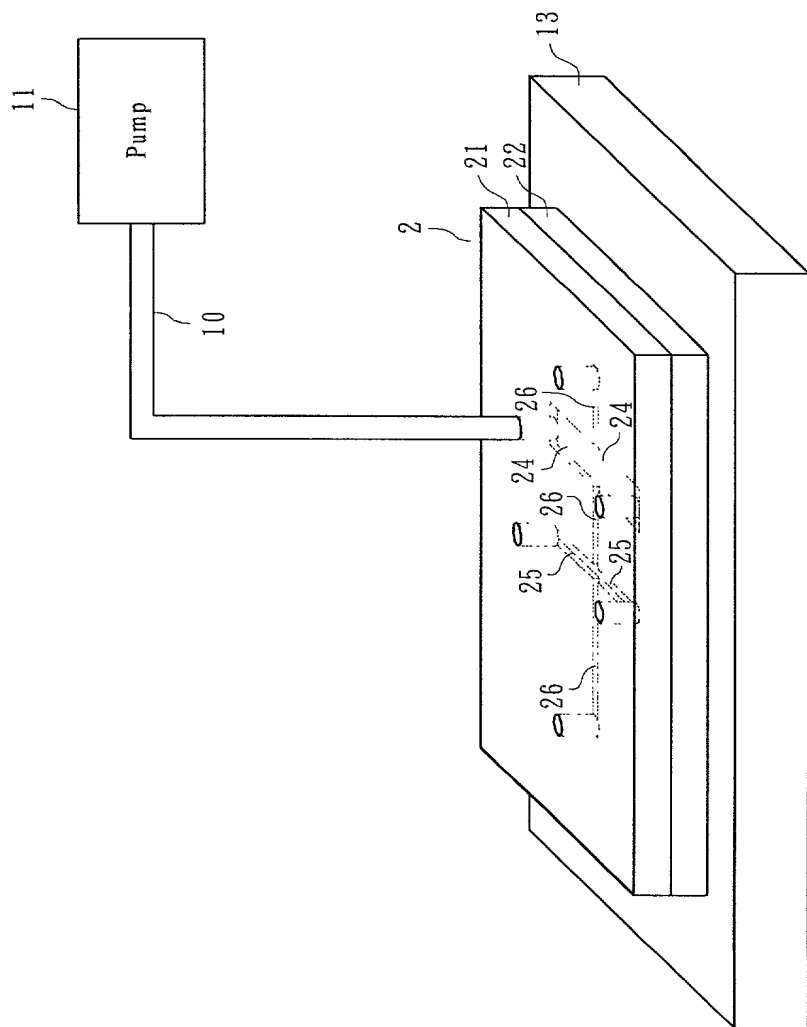


Fig.13

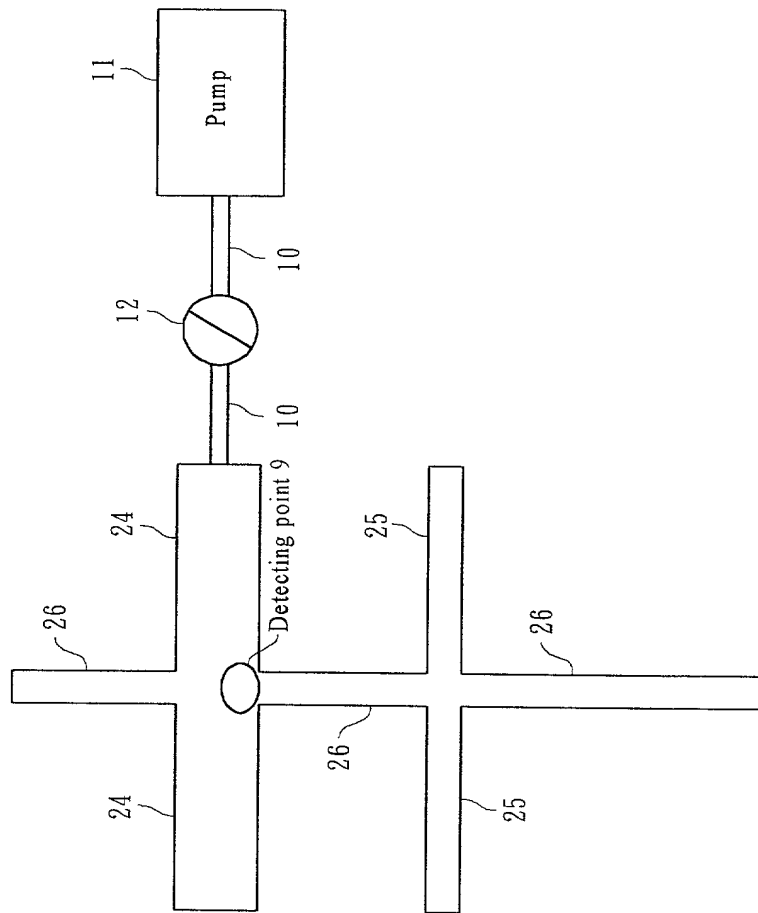


Fig.14

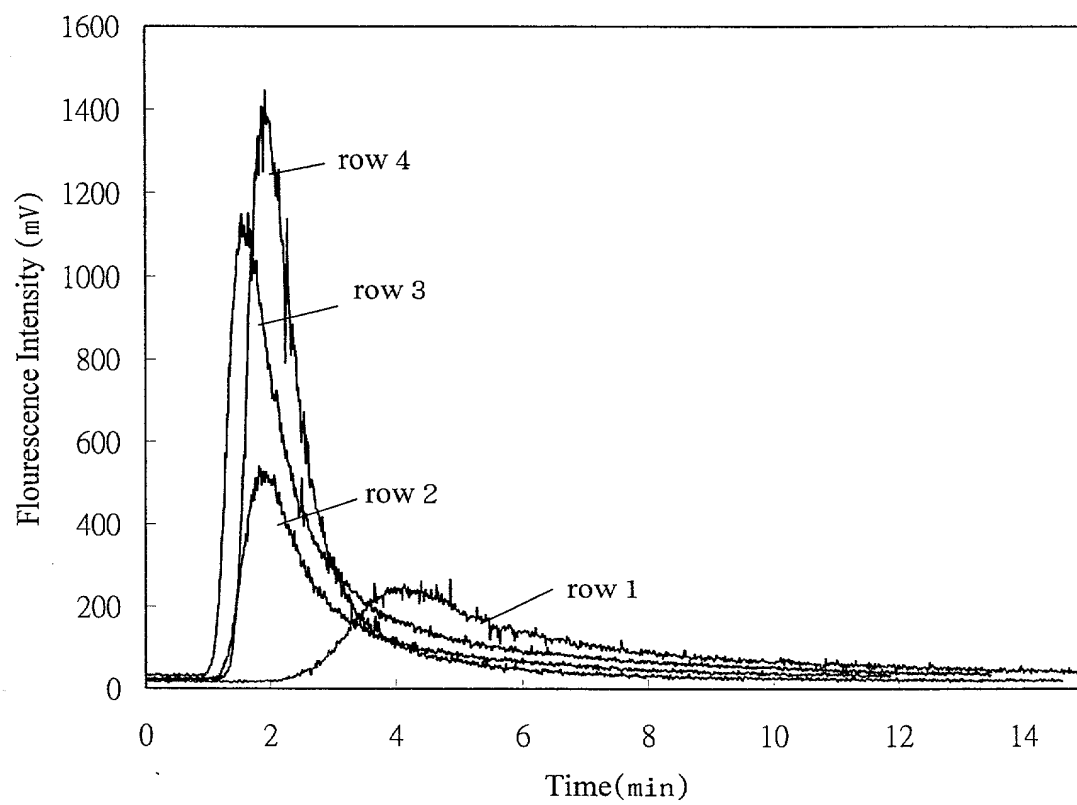


Fig. 15

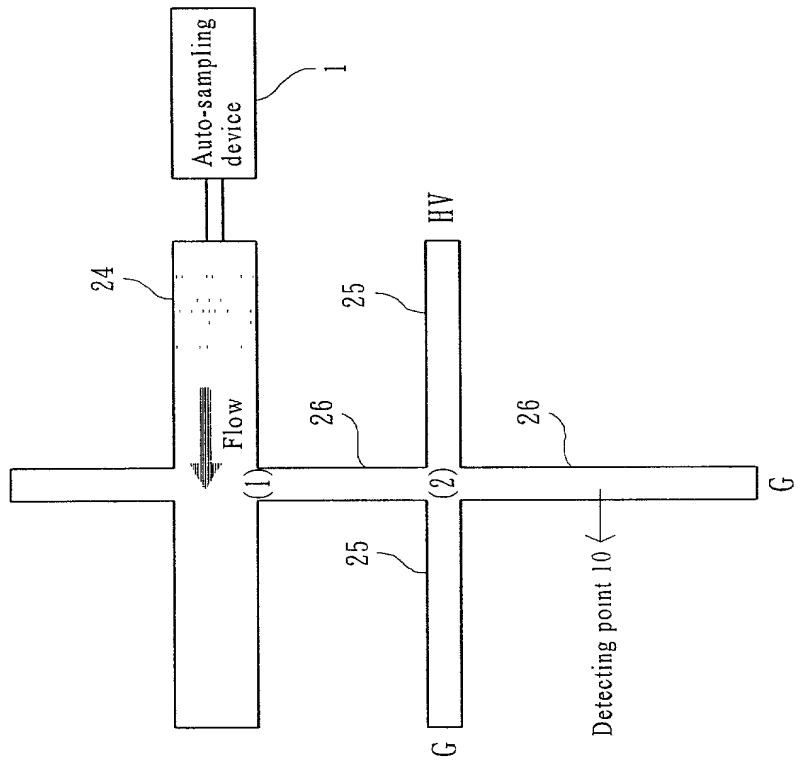


Fig. 16A

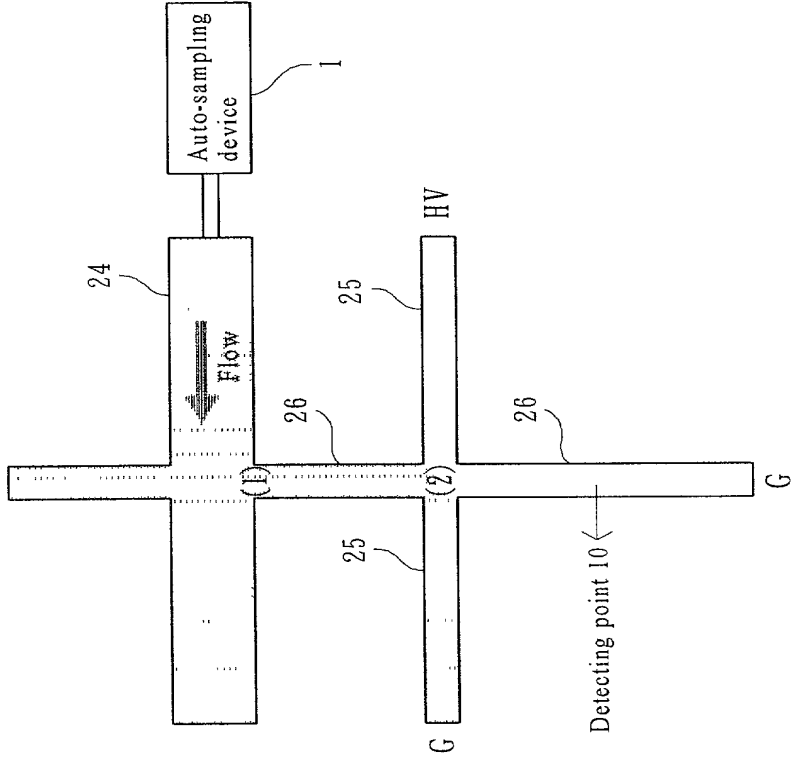


Fig. 16B



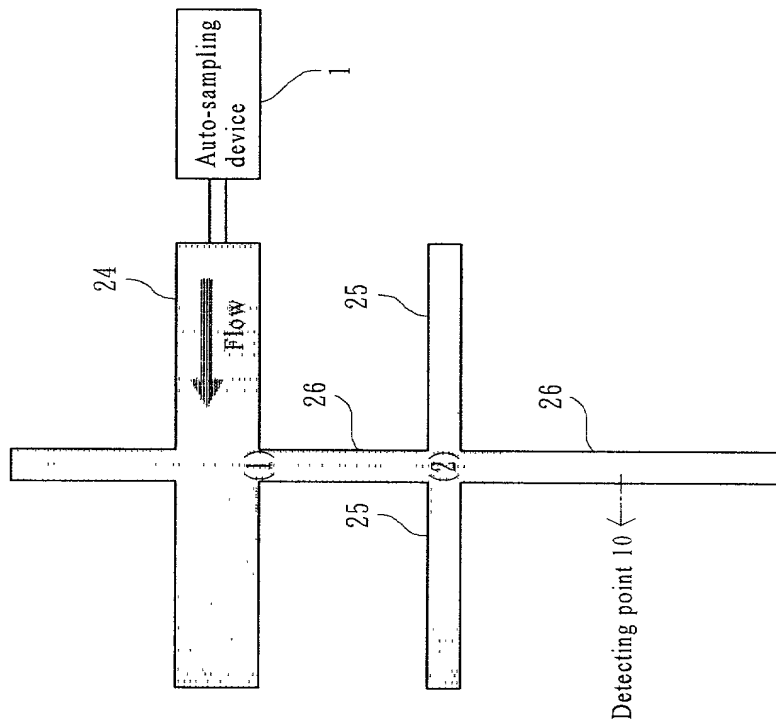


Fig.16C

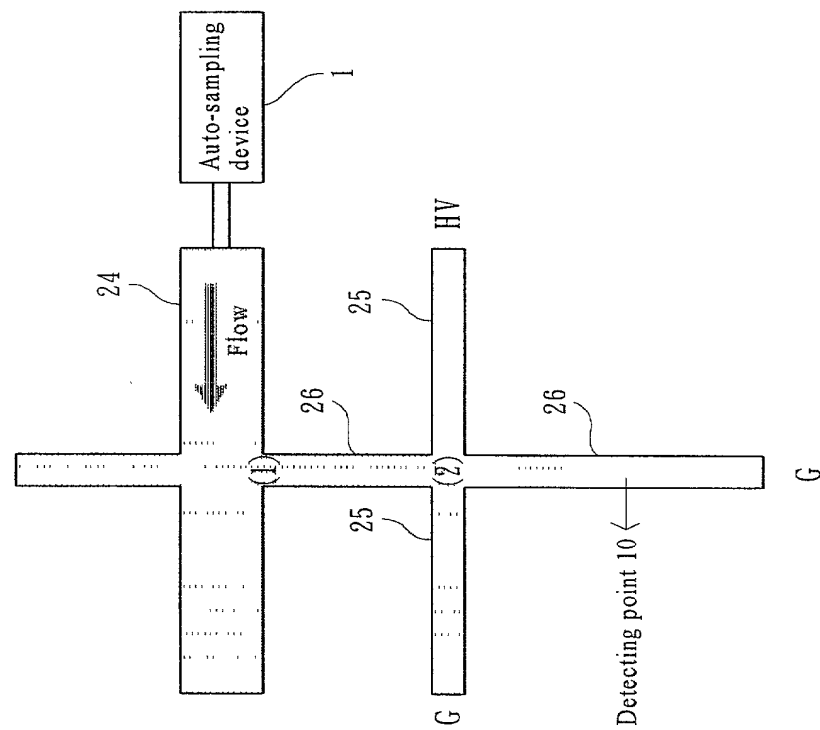


Fig.16D

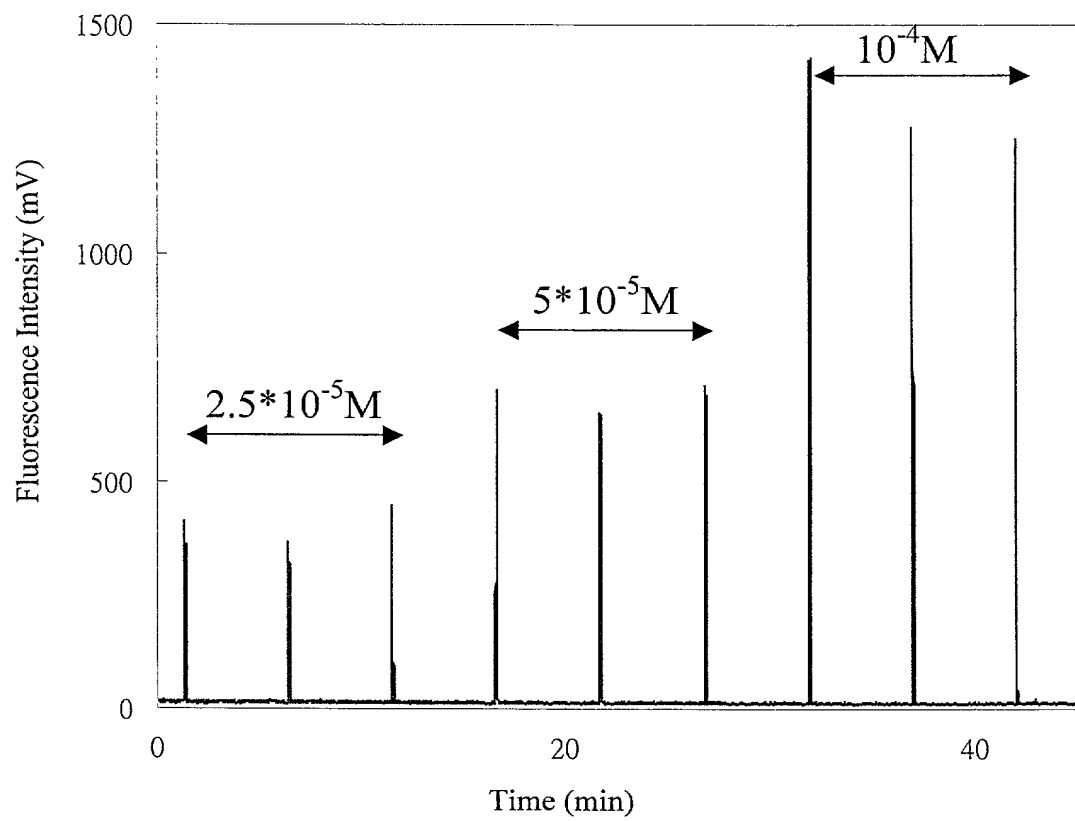


Fig. 17

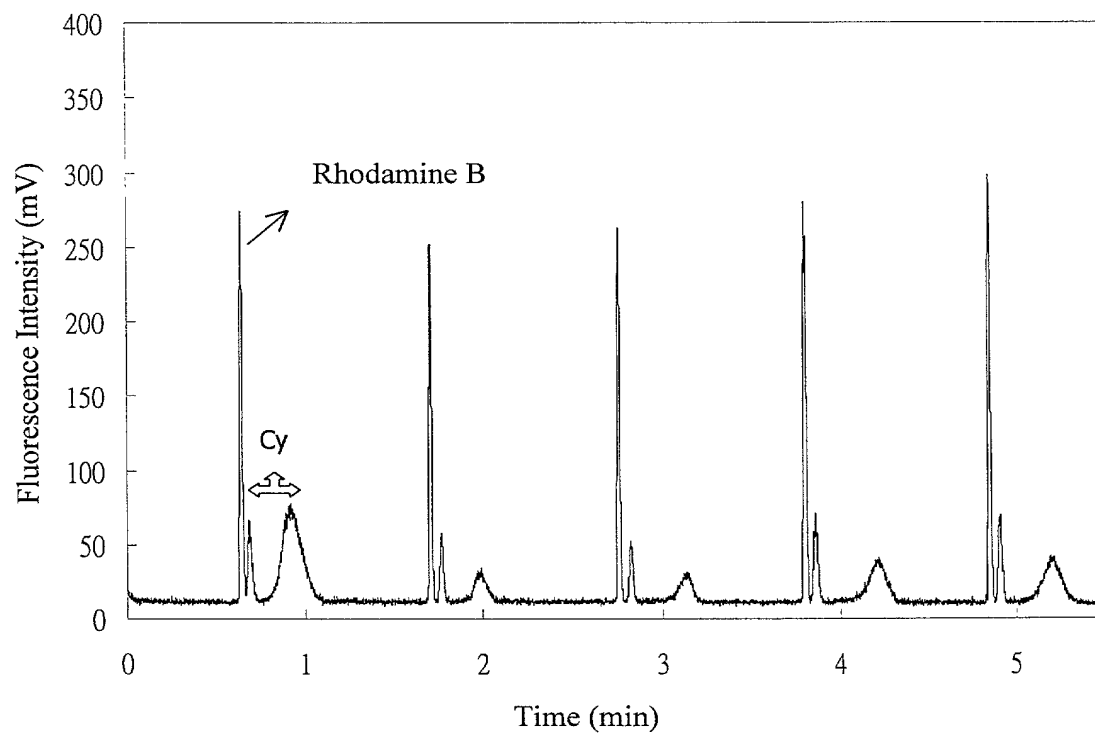


Fig. 18